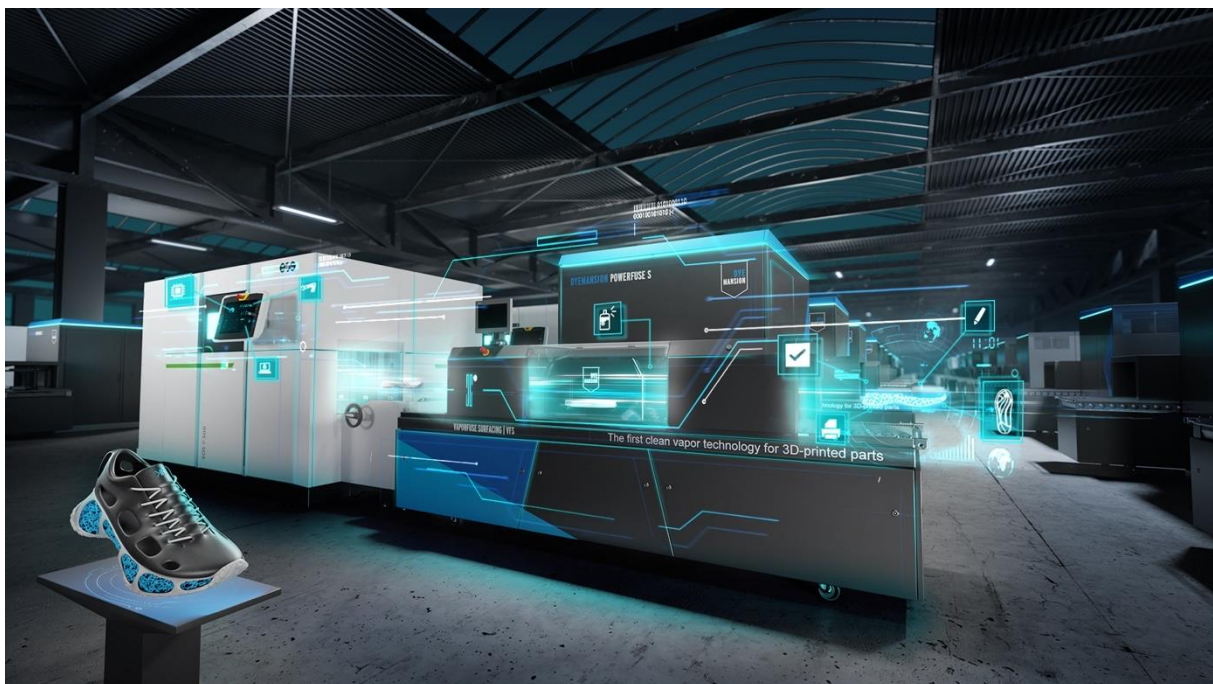




DYEMANSION EXPANDING THEIR PARTNER PLATFORM WITH NEW ALLIANCES TO BALANCE INDUSTRIALIZATION AND FLEXIBLE ON-DEMAND PRODUCTION



Caption: Digital reference factory for a footwear production

Copyright: Siemens

The pioneer in industrial post-processing for Additive Manufacturing joins forces with Siemens and further expands their partner platform with seven new local partners offering their solutions to AM users worldwide.

NOVEMBER 9, 2020 (MUNICH) - On day 2 of Formnext Connect, DyeMansion will share more details about their recent company updates during their [virtual press conference](#)



[“Industrial post-processing ready 4.0 the future. Digital. Sustainable. Connected.” followed by a live Q&A session \(Wednesday, Nov 12, 4:30-5:00 CET\).](#)

“The industrialization and automation of the entire Additive Manufacturing value chain is a major task that can only be accomplished together. Strong alliances between respective market leaders can unfold the power for transformation. Through this new global partnership with Siemens and our strong partner platform, we see ourselves perfectly positioned to spearhead the transformation of manufacturing,”, says Felix Ewald, CEO & Co-founder of DyeMansion.

PARTNERING WITH SIEMENS TO INDUSTRIALIZE ADDITIVE MANUFACTURING

DyeMansion partners with Siemens, the industrial leader in automation systems. With end-to-end software and automation solutions from their Digital Enterprise portfolio, Siemens is driving the industrialization for leading technology providers and users of Additive Manufacturing. The latest product innovation, the Powerfuse S is already equipped with newest Siemens automation technology to enable the use of a variety of digital services.

"The automated chain of coordinated production steps from all suppliers, from design and printing to post-processing, as well as end-to-end IT integration, is crucial for high productivity and maximum flexibility. This applies to series parts as well as to a highly flexible lot-size-1 production for individualized products or spare parts," explains Dr. Karsten Heuser, Vice President Additive Manufacturing at Siemens Digital Industries, and continues: "With the end-to-end digitization and automation solutions from Siemens, we have succeeded, together with our partners EOS and DyeMansion, in creating a seamlessly integrated end-to-end value chain for industrial additive manufacturing with selective laser sintering and industrial post-processing solutions using polymers."

At Formnext Connect, Siemens, EOS and DyeMansion will present the first digital reference factory for SLS production including industrial post-processing solutions based on a footwear application [in a joint keynote presentation](#). In 2021, Siemens plans to install the key processes along the value chain of this use case in the

physical Additive Manufacturing Experience Center too, in order to further accelerate the industrialization of AM together with DyeMansion.



Caption: Design study of a footwear application being produced in the digital reference factory

Design: Kostika Spaho & Nolan Kim

Finish: Finish top: Polyshot Surfacing (PSS); Finish midsole: VaporFuse Surfacing (VFS)

Copyright: DyeMansion

INCREASING OVERALL EQUIPMENT EFFECTIVENESS THROUGH DIGITALIZATION

Besides building reliant and performant systems, digitalization is the key element to increase Overall Equipment Effectiveness (OEE). Therefore, DyeMansion has implemented three pillars in the Powerfuse S, their latest product innovation: Remote Access, Digital Shopfloor Integration as well as Monitoring and Data Analysis.

Remote Access ensures fast root cause analysis and problem solving via secured VPN connections. Integrating the physical system to the digital shopfloor enables the communication to MES and ERP systems using the OPC-UA protocol.



Completing those pillars, DyeMansion has also developed a real-time monitoring dashboard for the Powerfuse S to observe the system status and sensor data. This sets the basis to use applications in industrial IoT clouds like the Siemens MindSphere in the future.

NEW ALLIANCES ENSURING FLEXIBLE AND LOCAL ON-DEMAND PRODUCTION

After launching the largest industrial post-processing platform in June this year, DyeMansion could win seven more partners worldwide. With the goal to transform the manufacturing industry together, the platform brings together production and sales partners offering industrial post-processing of 3D-printed plastics to AM users worldwide.

DyeMansion's sales partners provide complete AM process chains and consulting to their customers for inhouse manufacturing. New partners on the sales side are, 3Dees from the Czech Republic and Imagenet based in the United States who joined the platform as certified DyeMansion resellers serving local customers in their region.

As a complement, DyeMansion's production partners serve customers on all continents in a competitive manner every day in the most efficient way. On the production side, new partners are Paragon, Incremental Engineering, Printing Portal and the Digital Manufacturing Centre from the UK as well as Custom Implants and Mause based in Spain.

"The post-processing part is sometimes overlooked by additive manufacturing companies as a key part of the process chain however, at the Digital Manufacturing Centre we not only see this as being critical but also the digital connectivity as being key for seamless smart manufacturing. We wanted to work with a company that can offer the complete package for Polymer parts but also aligns with our vision for in process digital connectivity. I am delighted to be closely working with the DyeMansion team who have demonstrated the quality and vision we are looking for" explains Kieron Salter, Digital Manufacturing Centre CEO.



Caption: Headquarter of the Digital Manufacturing Centre in UK

Copyright: Digital Manufacturing Centre

“We are proud of our partner platform, where the undisputed experts along the complete AM manufacturing process chains team up. Our partners know exactly what works, what does not work and what end-users expect from 3D-printed products. I could not imagine a better partner set-up to pursue the goal of transforming the manufacturing industry with more resilient, distributed and sustainable supply chains,” tells Kai Witter, Chief Customer Officer at DyeMansion.

More information can be found on DyeMansion’s partner platform:

<https://dyemansion.com/en/partner-platform/>



ABOUT DYEMANSION

DyeMansion is the global leader in Additive Manufacturing finishing systems that turn 3D-printed raw parts into high-value products. From perfect fit eyewear to personalized car interiors, their technology makes 3D-printed products become a part of our everyday life. Starting in 2015 with the first industrial coloring solution for powder bed fusion parts, the Munich-based company extended its portfolio with advanced part cleaning and surfacing solutions for a wider range of 3D-printing technologies in the field of plastics. Today, DyeMansion's Print-to-Product workflow combines industry-leading hardware with the widest range of color options on the market. Their systems are applicable for Industry 4.0 and can be integrated seamlessly into various production processes. The ability to provide a flexible solution for both small batches and high volumes makes DyeMansion a trusted partner for future factories. Through close collaboration with customers across all industries, the 3D-finishing technology and expertise continuously grow with the market. Reduced cost per part, unmatched quality, and high sustainability are core values that drive each innovation of the fast-growing company. In addition to these principles, finding the right finish for every application is what drives them.

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